



Atty. Docket: 58207.000004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: )

Eric B. ALLEN, et al. )

Serial No.: 09/802,911 )

Art Unit: 1631

Filed: March 12, 2001 )

Examiner: Marjorie A. Moran

For: SYSTEM AND METHOD FOR SIMULATING CELLULAR BIOCHEMICAL  
PATHWAYS

**RESPONSE TO OFFICE ACTION RESTRICTION REQUIREMENT**  
**OF AUGUST 16, 2002**

Under Secretary of Commerce for Intellectual Property  
and Director of the United States Patent and Trademark Office  
Washington, D.C. 20231

Sir:

Responsive to the Office Action mailed August 16, 2002, please consider the following remarks.

**REMARKS**

In the Office Action of August 16, 2002, the Examiner requested restriction to one of the following inventions under 35 U.S.C. § 1.121.

1. Claims 1-13, drawn to a system for demonstrating signal cascades in cells, classified in class 703, subclass 2.
2. Claim 14, drawn to a computer implemented method for (simulating) a reverse pathway, classified in class 703, subclass 2.
3. Claim 15, drawn to a computer implemented method for predicting pathways, classified in class 703, subclass 2.
4. Claims 16-19, drawn to a computer implemented method for simulating an aspect of a cellular biochemical pathway, classified in class 703, subclass 2.
5. Claims 20-28, drawn to a system for simulating a cellular biochemical pathway, classified in class 703, subclass 11.

RECEIVED

DEC 18 2002

TECH CENTER 1600/2900

HS

Plunkett

12/19/02

6. Claims 29-47, drawn to a method to generate a representation of a biochemical pathway, classified in class 703, subclass 2.
7. Claims 48-50, drawn to a method to generate a representation of an event of a biochemical pathway, classified in class 703, subclass 2.
8. Claim 51, drawn to a method to determine the effect of modulating a reaction in a biochemical pathway, classified in class 703, subclass 11.
9. Claim 52, drawn to a method to identify a pharmaceutical target in a biochemical pathway, classified in class 703, subclass 2.
10. Claim 53, drawn to a device to generate a representation of a biochemical pathway, classified in class 703, subclass 11.
11. Claim 54-55, drawn to a device to generate a representation of a biochemical pathway comprising different elements than that of Group X, classified in class 703, subclass 11.
12. Claim 56, drawn to a device to generate a representation of a biochemical pathway comprising elements different from those of either Group X or XI, classified in class 703, subclass 11.


Applicant hereby elects Invention 1, Claims 1-13, drawn to a system for demonstrating signal cascades in cells, classified in class 703, subclass 2, without traverse.

The Assistant Commissioner is hereby authorized to charge fees under 37 C.F.R. §§ 1.16 and 1.17 which may be required now or hereafter, or credit any overpayment, to Deposit Account No. 50-0206.

Respectfully submitted,  
HUNTON & WILLIAMS

Date: December 16, 2002

By: \_\_\_\_\_

  
David H. Milligan  
Registration No. 42,893

1900 K Street, N.W., Suite 1200  
Washington, D.C. 20006-1109  
Ph. (202) 955-1500  
Fax (202) 778-2201